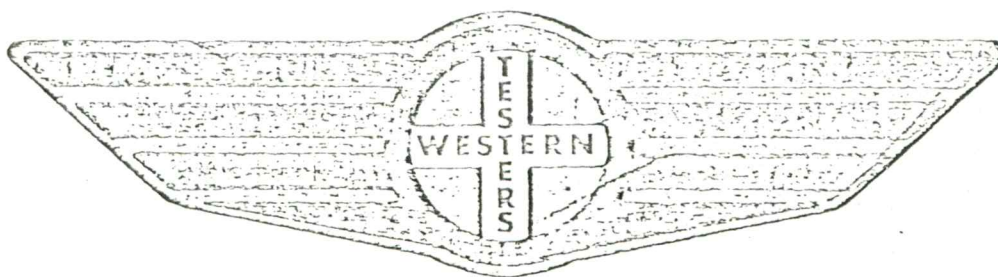


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company RANGE OIL CO. INC.

Lease and Well No. 1 BRADFIELD

Sec. 21

Twp. 29s

Rge. 2E

Test No. 1

Date 12/8/84

WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 12/8/84

CUSTOMER: RANGE OIL COMPANY INC.

WELL: #1

TEST: 1

ELEVATION (KB): 1306

FORMATION: SIMPSON

SECTION: 21

TOWNSHIP: 29S

RANGE: 2E

COUNTY: SEDGWICK

STATE: KANSAS

GAUGE SN #3474

RANGE: 3000

CLOCK: 12

TICKET #6369

LEASE: BRADFIELD

GEOLOGIST: OLSEN

INTERVAL TEST FROM: 3469 FT TO: 3484 FT TOTAL DEPTH: 3484 FT

DEPTH OF SELECTIVE ZONE: FT

PACKER DEPTH: 3469 FT SIZE: 6 3/4 IN PACKER DEPTH: 3464 FT SIZE: 6 3/4 IN

PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RDC

MUD TYPE: CHEM

VISCOSITY: 44

WEIGHT: 9.6

WATER LOSS (CC): 10.4

CHLORIDES (P.P.M.): 1600

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW?

REVERSED OUT?

DRILL COLLAR LENGTH: 150 FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH: FT I.D.: IN

DRILL PIPE LENGTH: 3299 FT I.D.: 3.8 IN

TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN

ANCHOR LENGTH: 15 FT SIZE: 5 1/2 O.D. IN

SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN

MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD GOOD 10" BLOW

DECREASING AFTER 10 MINUTES. FINAL

FLOW PERIOD WEAK BLOW DEAD IN 5 MINUTES.

?

RECOVERED: 100 FT OF: MUD WITH OIL SPOTS ON TOP OF TOOL.

RECOVERED: FT OF: MUD HAD OILY ODOR.

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 5:10 P.M.

TIME STARTED OFF BOTTOM: 7:40 P.M.

WELL TEMPERATURE: 114 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1743 PSI

INITIAL FLOW PERIOD MIN: 30

(B) 68 PSI TO (C) 68 PSI

INITIAL CLOSED IN PERIOD MIN: 30

(D) 470 PSI

FINAL FLOW PERIOD MIN: 30

(E) 73 PSI TO (F) 73 PSI

FINAL CLOSED IN PERIOD MIN: 63

(G) 721 PSI

FINAL HYDROSTATIC PRESSURE

(H) 1735 PSI

WESTERN TESTING COMPANY INC.

### PRESSURE DATA

DATE: 12/8/84

TICKET #6369

CUSTOMER: RANGE OIL COMPANY INC.

LEASE: BRADFIELD

TEST: 1

GEOLOGIST: OLSEN

FORMATION: SIMPSON

TOWNSHIP: 29S

COUNTY: SEDGWICK

STATE: KANSAS

RANGE: 3000

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 1743 PSI

(B) FIRST INITIAL FLOW PRESSURE: 68 PSI

(C) FIRST FINAL FLOW PRESSURE: 68 PSI

(D) INITIAL CLOSED-IN PRESSURE: 470 PSI

(E) SECOND INITIAL FLOW PRESSURE: 73 PSI

(F) SECOND FINAL FLOW PRESSURE: 73 PSI

(G) FINAL CLOSED-IN PRESSURE: 721 PSI

(H) FINAL HYDROSTATIC PRESSURE: 1735 PSI

WELL TEMPERATURE: 114 °F

OPEN TOOL: 5:10 P.M.

TIME - GIVEN TIME - ACTUAL

FIRST FLOW PRESSURE: 30 MIN 30 MIN

INITIAL CLOSED-IN PRESSURE: 30 MIN 30 MIN

SECOND FLOW PRESSURE: 30 MIN 30 MIN

FINAL CLOSED-IN PRESSURE: 60 MIN 63 MIN

### PRESSURE BREAKDOWN

[illegible]

23

24

25

26

37

39

20  
20

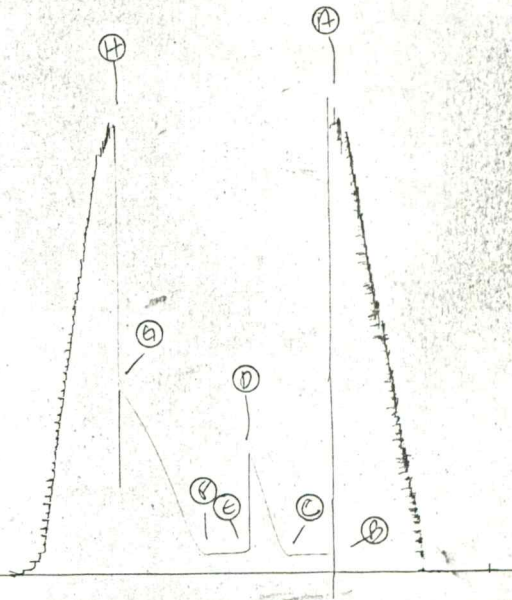
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KK# 6369

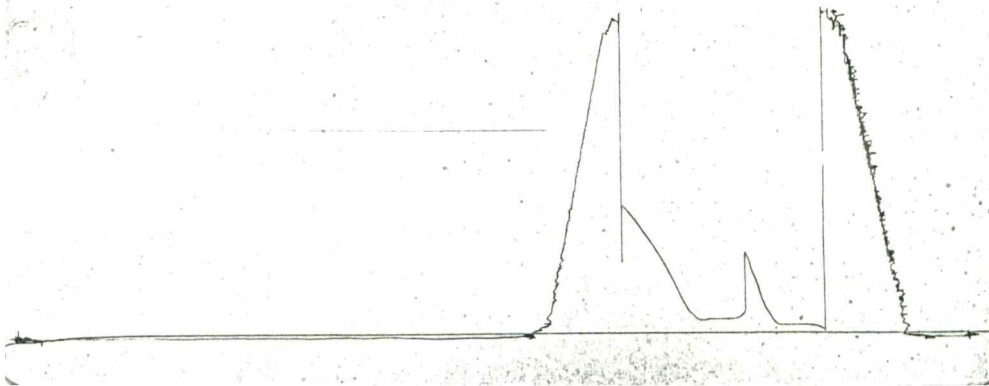
3474  
DS#1

I



EX# 60369

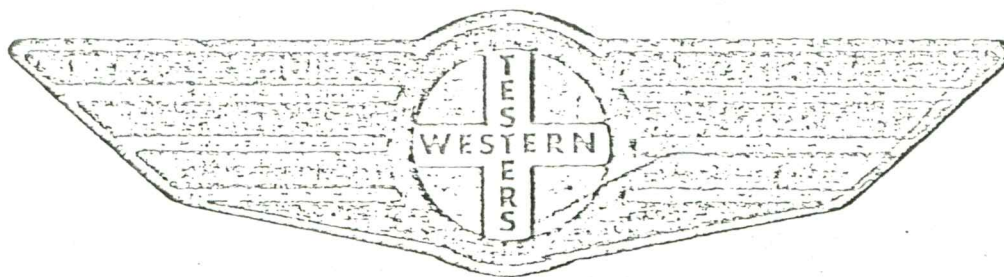
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FORMATION

TEST

REPORT



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WESTERN TESTING COMPANY INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 12/8/84  
CUSTOMER: RANGE OIL COMPANY INC.  
WELL: #1 TEST: 2  
ELEVATION (KB): 1306 FORMATION: SIMPSON  
SECTION: 21 TOWNSHIP: 29S  
RANGE: 2E COUNTY: SEDGWICK STATE: KANSAS  
GAUGE SN #3474 RANGE: 3000 CLOCK: 12

INTERVAL TEST FROM: 3484 FT TO: 3491 FT TOTAL DEPTH: 3491 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3484 FT SIZE: 6 3/4 IN PACKER DEPTH: 3479 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RDC  
MUD TYPE: CHEM VISCOSITY: 44  
WEIGHT: 9.6 WATER LOSS (CC): 10.4  
CHLORIDES (P.P.M.): 1600  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: 150 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 3309 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 O.D. IN  
ANCHOR LENGTH: 7 FT SIZE: 5 1/2 O.D. IN  
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN  
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: WEAK STEADY BLOW THROUGHOUT TEST.

RECOVERED: 120 FT OF: DRLG MUD.  
RECOVERED: 180 FT OF: MUDDY SALT WATER;  
RECOVERED: FT OF: WITH GOOD SHOW OF FREE OIL ON TOP OF TOOL.  
RECOVERED: FT OF: CHLORIDES 42000 P.P.M.  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS: HOLE TOOK SOME FLUID AS TOOL OPENED.

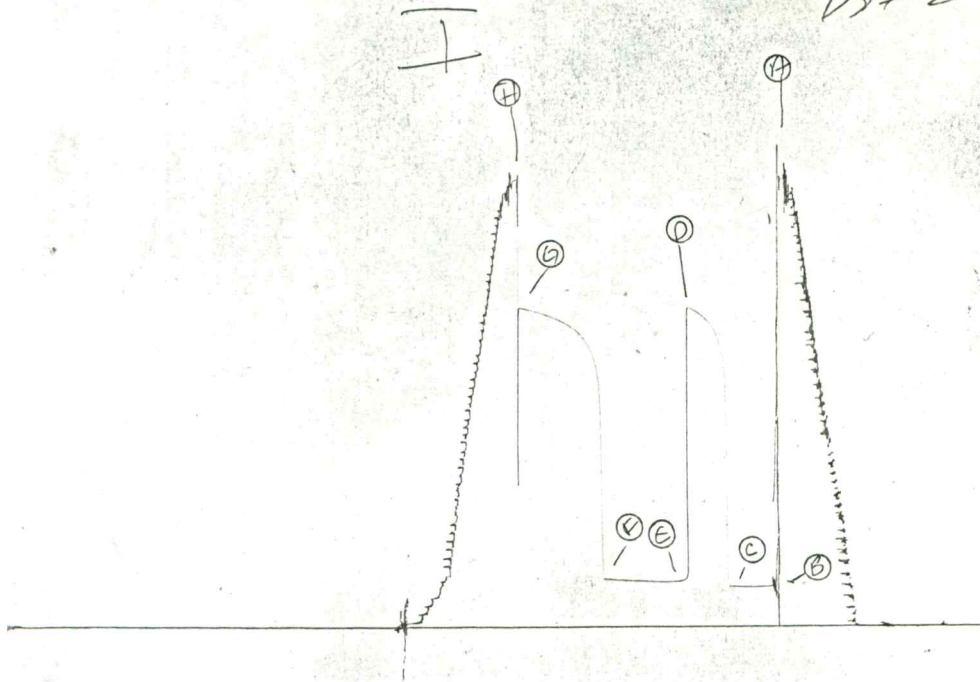
TIME SET PACKER(S): TIME STARTED OFF BOTTOM:  
WELL TEMPERATURE: 114 'F  
INITIAL HYDROSTATIC PRESSURE: (A) 1733 PSI  
INITIAL FLOW PERIOD MIN: 35 (B) 150 PSI TO (C) 152 PSI  
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1242 PSI  
FINAL FLOW PERIOD MIN: 60 (E) 173 PSI TO (F) 183 PSI  
FINAL CLOSED IN PERIOD MIN: 60 (G) 1242 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1733 PSI



TKK# 6370

34.74

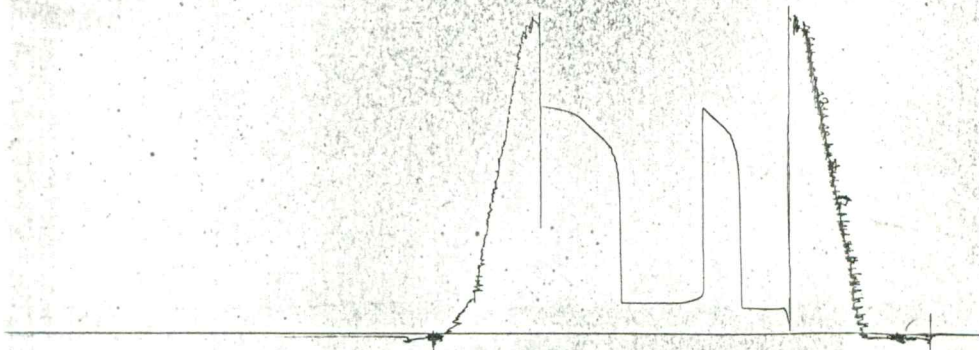
DS#2



CK# 6370

2605  
DST#2

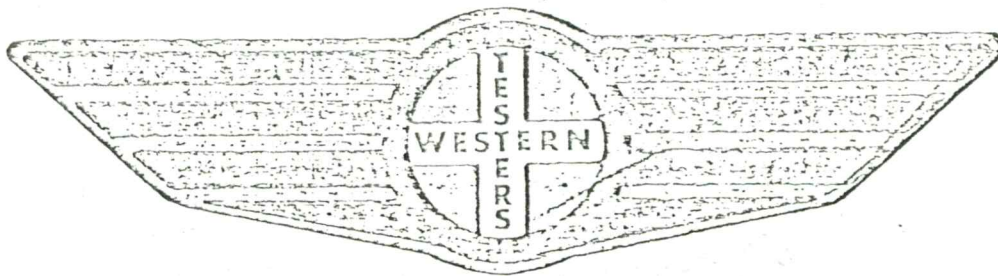
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 12/9/84  
CUSTOMER: RANGE OIL COMPANY INC.  
WELL: 1 TEST: 3  
ELEVATION (KB): 1306 FORMATION: SIMPSON  
SECTION: 21 TOWNSHIP: 29S  
RANGE: 2E COUNTY: SEDGWICK STATE: KANSAS  
GAUGE SN #3474 RANGE: 3000 CLOCK: 12

TICKET #6371

LEASE: BRADFIELD

GEOLOGIST: OLSEN

INTERVAL TEST FROM: 3497 FT TO: 3502 FT TOTAL DEPTH: 3502 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3497 FT SIZE: 6 3/4 IN PACKER DEPTH: 3492 FT SIZE: 6 3/4 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE DRLG

MUD TYPE: CHEMICAL

VISCOSITY: 49

WEIGHT: 9.5

WATER LOSS (CC): 12.0

CHLORIDES (P.P.M.): 1600

JARS - MAKE: NO

SERIAL NUMBER:

DID WELL FLOW? NO

REVERSED OUT? NO

DRILL COLLAR LENGTH: 150 FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH: FT I.D.: IN

DRILL PIPE LENGTH: 3322 FT I.D.: 3.8 IN

TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 5 FT SIZE: 5 1/2 OD IN

SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN

MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD VERY WEAK BLOW.  
DIED IN 20 MINUTES. SURGE AS TOOL  
OPENED. FINAL FLOW PERIOD NO BLOW.

RECOVERED: 15 FT OF: PLAIN OLD MUD.  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 3:25 PM

TIME STARTED OFF BOTTOM:

WELL TEMPERATURE: 115 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1739 PSI

INITIAL FLOW PERIOD MIN: 30

(B) 10 PSI TO (C) 10 PSI

INITIAL CLOSED IN PERIOD MIN: 36

(D) 1115 PSI

FINAL FLOW PERIOD MIN: 30

(E) 19 PSI TO (F) 19 PSI

FINAL CLOSED IN PERIOD MIN: 63

(G) 1142 PSI

FINAL HYDROSTATIC PRESSURE

(H) 1689 PSI





TKT # 6371

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